SONY®

9-885-046-**95**(2)

# *CD/DVD Player*

*DVP-M50*

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# Safety Precautions

## WARNING

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**
**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**
**The mains lead must only be changed at a qualified service shop.**

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

## CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD player is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.

**Notice for customers in the United Kingdom and Republic of Ireland**
A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.
Should the fuse in the plug supplied need to be replaced, a 5AMP fuse approved by ASTA or BSI to BS1362, (i.e., marked with ⓐ or ♡ mark) must be used. If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse.
Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

## Precautions

**Safety**

- This unit operates on 110 – 240 V AC, 50/60 Hz. Check that the unit's operating voltage is identical with your local power supply.
- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

**Installing**

- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the unit.

# Welcome!

Thank you for purchasing this CD/DVD Player. Before operating this player, please read this manual thoroughly and retain it for future reference.

# Precautions

## On safety

- Caution – The use of optical instruments with this product will increase eye hazard.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

## On power sources

- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.

### On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

## On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about half an hour until the moisture evaporates.
- When you move the player, take out any discs. If you don't, the disc may be damaged.

## On adjusting volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is played.

## On cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

## On cleaning discs

Do not use a commercially available cleaning disc. It may cause a malfunction.

**IMPORTANT NOTICE**

Caution: This player is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Plasma Display Panel televisions and projection televisions are susceptible to this.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

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## About the symbols for instructions

⚠

Indicates hazards likely to cause harm to the unit itself or other material damage.

**Note**
Indicates special operating features of this unit.

**Tip**
Indicates tips and hints for making the task easier.

## Playable Discs

| | |
|---|---|
| DVD VIDEO | DVD<br>(8 cm / 12 cm disc) |
| COMPACT disc DIGITAL VIDEO | Video CD (VCD)<br>(8 cm / 12 cm disc) |
| COMPACT disc DIGITAL AUDIO | Audio CD<br>(8 cm / 12 cm disc) |

In addition, this unit can play a DVD-R, DVD±RW, SVCD, and CD-R or CD-RW that contains audio titles, MP3 or JPEG files.

**Notes**

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD-R/±RW) disc itself, some CD-R/RW (or DVD-R/±RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

**Notes on DVDs and Video CDs**

Some playback operations of DVDs and Video CDs may be intentionally fixed by software manufacturers. As this unit plays DVDs and Video CDs according to disc content designed by the software manufacturer, some playback features of the unit may not be available or other functions may be added.
Refer also to the instructions supplied with the DVDs and Video CDs. Some DVDs made for business purposes may not be played on the unit.

**Regional code of the DVD player and DVDs**

This DVD player is designed and manufactured for playback of region “2” encoded DVD software. The region code on the labels of some DVD discs indicates which type of player can play those discs. This unit can play only DVD discs labeled “2” or “ALL”. If you try to play any other discs, the message “Check Regional Code” will appear on the TV screen. Some DVD discs may not have a region code label even though their playback is prohibited by area limits.

### Disc-related terms

**Title (DVD only)**
The main film content or accompanying feature content or additional feature content, or music album.
Each title is assigned a title reference number enabling you to locate it easily.

**Chapter (DVD only)**
Sections of a picture or a musical piece that are smaller than titles. A title is composed of one or several chapters. Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

**Track (Video CD and audio CD only)**
Sections of a picture or a musical piece on a video CD or an audio CD. Each track is assigned a track number, enabling you to locate the track you want.

**Scene**
On a video CD with PBC (Playback control) functions, moving pictures and still pictures are divided into sections called “Scenes”. Each scene is displayed in the menu screen and assigned a scene number, enabling you to locate the scene you want.
A scene is composed of one or several tracks.

## Precautions

### Handling the unit

**When shipping the unit**
The original shipping carton and packing materials come in handy. For maximum protection, re-pack the unit as it was originally packed at the factory.

**When setting up the unit**
The picture and sound of a nearby TV, VCR, or radio may be distorted during playback. In this case, position the unit away from the TV, VCR, or radio, or turn off the unit after removing the disc.

**To keep the exterior surfaces clean**
Do not use volatile liquids, such as insecticide spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long period of time. They will leave marks on the surface.

### Cleaning the unit

**To clean the cabinet**
Use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

**To obtain a clear picture**
The DVD player is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality will be poor.
Regular inspection and maintenance are recommended after every 1,000 hours of use. (This depends on the operating environment.)
For details, please contact your nearest dealer.

## Notes on Discs

### Handling discs

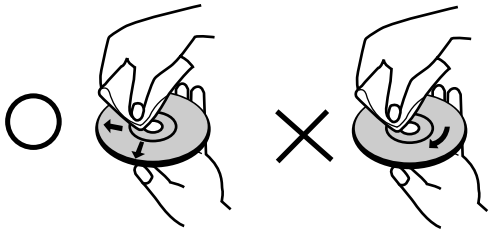
Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

### Storing discs

After playing, store the disc in its case.
Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

### Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.



Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

## About Symbols

### About the ⃠ symbol display

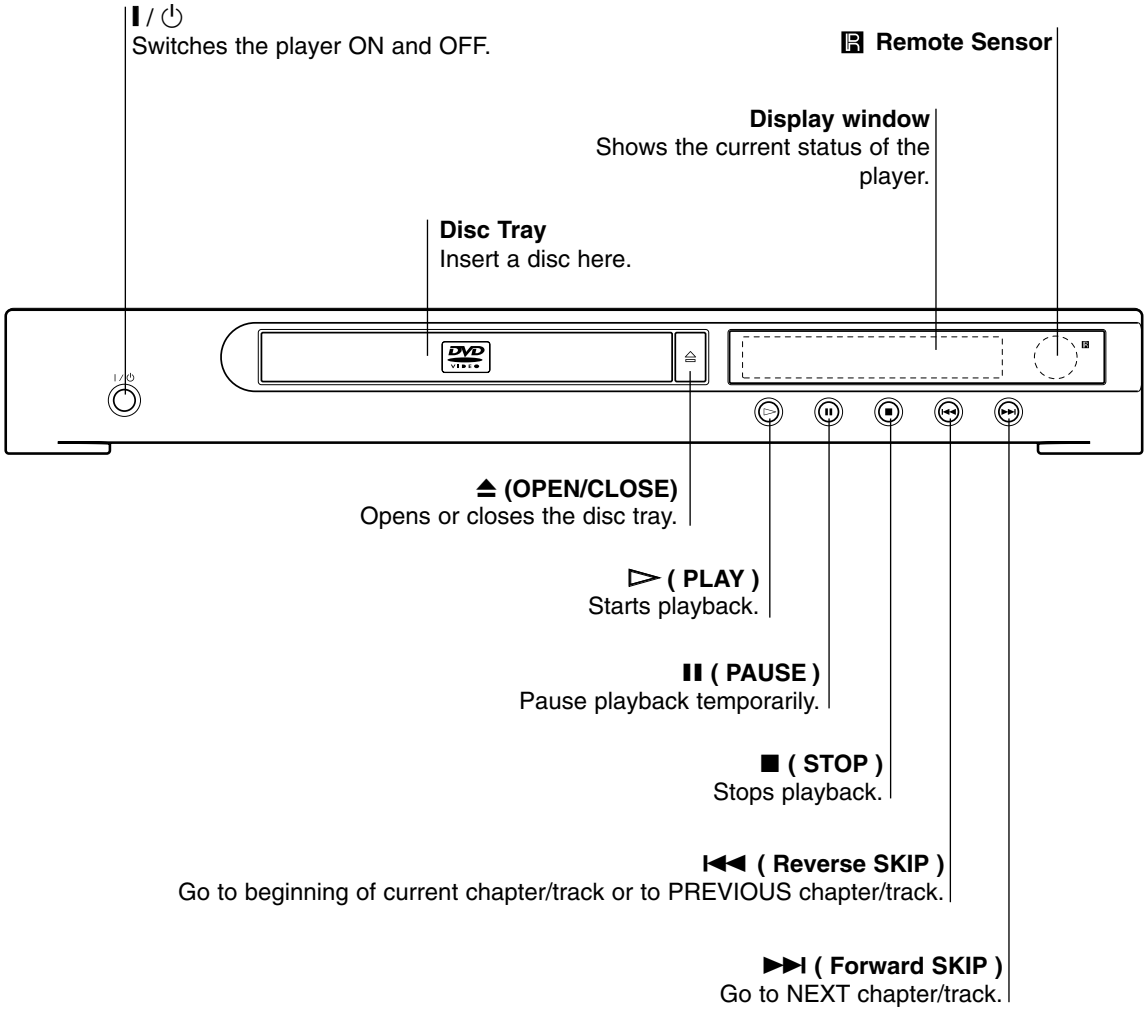
" ⃠ " may appear on the TV screen during operation. This icon means the function explained in this owner's manual is not available on that specific DVD video disc.

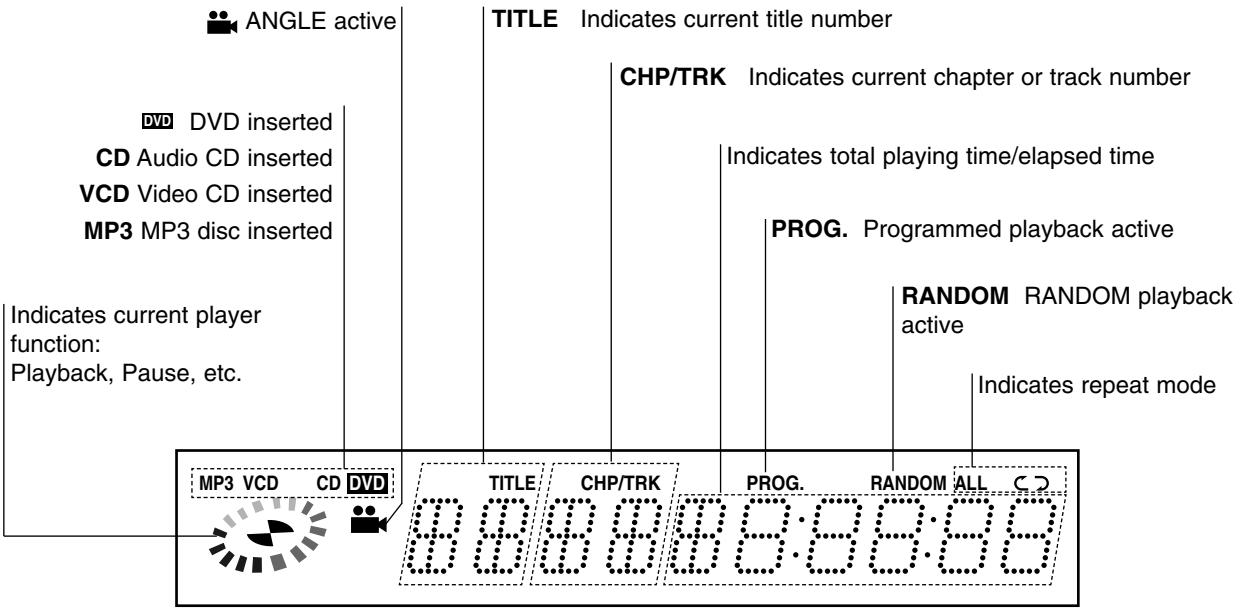
### About the disc symbols for instructions

A section whose title has one of the following symbol is applicable only to the disc represented by the symbol.

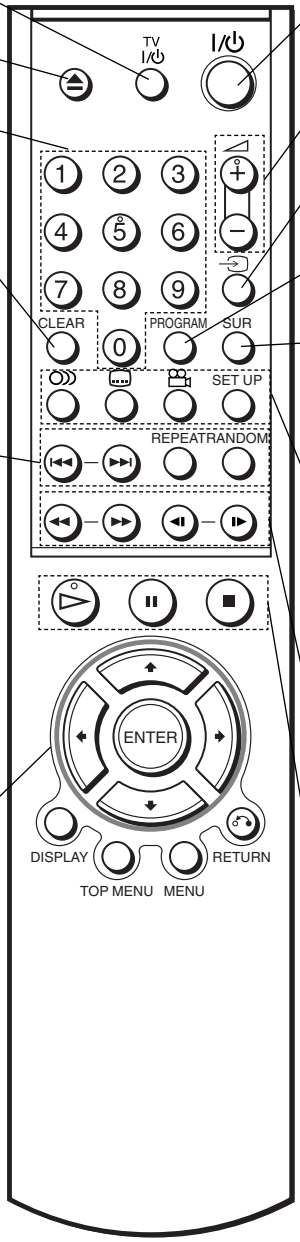
- DVD DVD
- VCD Video CDs.
- CD Audio CDs.
- MP3 MP3 disc.
- JPEG JPEG disc.

## Front Panel and Display Window


I / ⏻
Switches the player ON and OFF.
Remote Sensor
Display window
Shows the current status of the player.
Disc Tray
Insert a disc here.
⏏ (OPEN/CLOSE)
Opens or closes the disc tray.
( PLAY )
Starts playback.
II ( PAUSE )
Pause playback temporarily.
■ ( STOP )
Stops playback.
I◄◄ ( Reverse SKIP )
Go to beginning of current chapter/track or to PREVIOUS chapter/track.
►►I ( Forward SKIP )
Go to NEXT chapter/track.



## Remote Control




**TV I / ⏻ (on/standby)**
Turns the TV on or off.

**⏏ (OPEN/CLOSE)**
Opens and closes the disc tray.

**0-9 number buttons**
Selects numbered items in a menu.

**CLEAR**
Removes a track number on the program list.

**▶▶I (Forward Skip)**
Advances to next chapter or track.

**I◀◀ (Reverse Skip)**
Returns to beginning of current chapter or track or go to previous chapter or track.

**REPEAT**
Repeat chapter, track, title, all.

**RANDOM**
Plays tracks in random order.

**←/→/↑/↓ (left/right/up/down)**
Selects an item in the menu.

**ENTER**
Acknowledges menu selection.

**DISPLAY**
Accesses On-Screen display.

**TOP MENU**
Displays the discs Title menu, if available.

**MENU**
Accesses menu on a DVD disc.

**↶ RETURN**
- Removes the setup menu.
- Displays the menu of a video CD with PBC.

**I / ⏻ (on/standby)**
Switches DVD Player ON and OFF.

**◿ (Volume) +/– buttons**
Adjusts the Volume of the TV.

**⇥ (TV/video)**
Switches the TV's input source between the TV and other input sources.

**PROGRAM**
Enters to the program edit mode or exits from that.

**SUR**
Selects SURROUND during disc playback.

**(AUDIO)**
Selects an audio language (DVD) or an audio channel (CD).

**(SUBTITLE)**
Selects a subtitle language.

**(ANGLE)**
Selects a DVD camera angle if available

**SET UP**
Accesses or removes setup menu.

**◀◀ (Reverse Scan)**
Search backward.

**▶▶ (Forward Scan)**
Search forward.

**◀I (Reverse Slow)**
Reverse slow playback.

**I▶ (Forward Slow)**
Forward slow playback.

**▷ (PLAY)**
Starts playback.

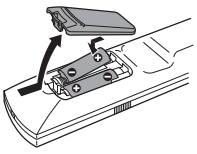
**II (PAUSE)**
Pauses playback temporarily.

**■ (STOP)**
Stops playback.

### Remote Control Operation

Point the remote control at the remote sensor and press the buttons.

### Remote control battery installation



Detach the battery cover on the rear of the remote control, and insert two R6 (size AA) batteries with ⊕ and ⊖ aligned correctly.

⚠

Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.).

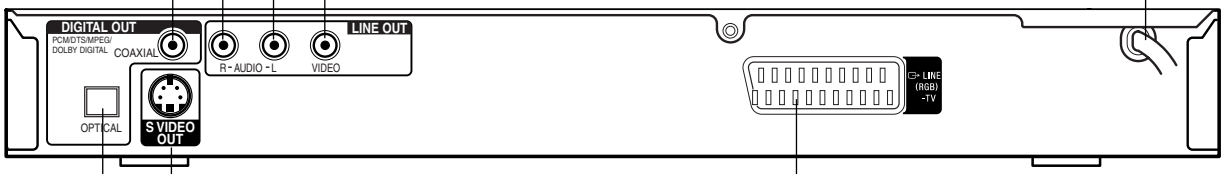
## Rear Panel

**COAXIAL (Digital audio out jack)**
Connect to digital (coaxial) audio equipment.

**AC Power Cord**
Plug into the power source.

**AUDIO OUT (Left/Right)**
Connect to an amplifier, receiver, or stereo system.

**VIDEO OUT**
Connect to a TV with video inputs.




**S-VIDEO OUT**
Connect to a TV with S-Video inputs.

**TO TV (SCART) Jack**
Connect to a TV with SCART jack.

**OPTICAL (Digital audio out jack)**
Connect to digital (optical) audio equipment.

⚠

**Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.**

# Connections

**Tips**

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Use only one of the connections described below.
- Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- For better sound reproduction, connect the player's AUDIO OUT jacks to the audio in jacks of your amplifier, receiver, stereo or audio/video equipment. See "Connecting to Optional Equipment" on page 11.

⚠

– Make sure the DVD Player is connected directly to the TV. Tune the TV to the correct video input channel.
– Do not connect the DVD Player's AUDIO OUT jack to the phono in jack (record deck) of your audio system.
– Do not connect your DVD Player via your VCR. The DVD image could be distorted by the copy protection system.

## Connecting to a TV

- Make one of the following connections, depending on the capabilities of your existing equipment.

### Video connection

**1** Connect the VIDEO OUT jack on the DVD Player to the video in jack on the TV using the video cable **(V)** (not supplied).

**2** Connect the Left and Right AUDIO OUT jacks of the DVD Player to the audio left/right in jacks on the TV **(A)** using the audio cables (not supplied).

### S-Video connection

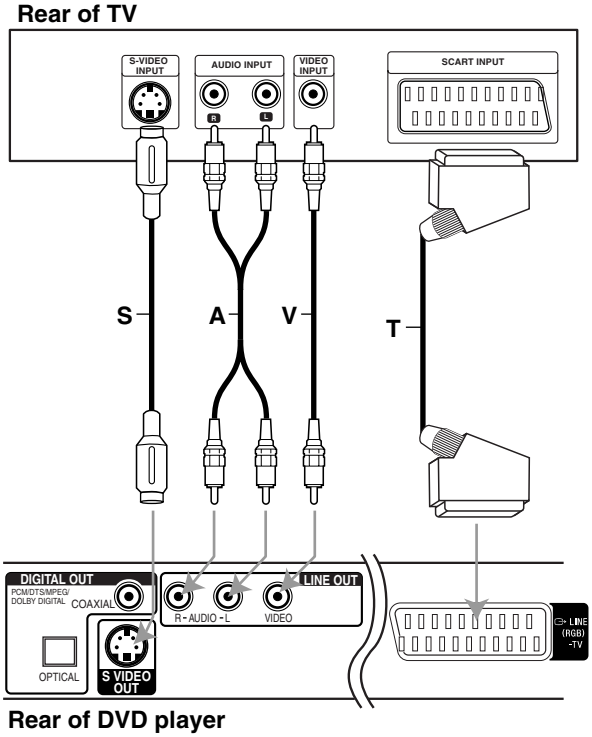
**1** Connect the S-VIDEO OUT jack on the DVD Player to the S-Video in jack on the TV using the S-Video cable **(S)** (not supplied).

**2** Connect the Left and Right AUDIO OUT jacks of the DVD Player to the audio left/right in jacks on the TV **(A)** using the audio cables (not supplied).

### SCART connection

Connect the TO TV scart jack on the DVD Player to the corresponding in jacks on the TV using the scart cable **(T)** (not supplied).

**Rear of TV**




**Rear of DVD player**

* Cable S.A.V.T. (not supplied)

## Connecting to Optional Equipment

### Connecting to an amplifier equipped with two channel analog stereo or Dolby Pro Logic II/ Pro Logic

Connect the Left and Right AUDIO OUT jacks on the DVD Player to the audio left and right in jacks on your amplifier, receiver, or stereo system, using the audio cables **(A)** (not supplied).

### Connecting to an amplifier equipped with two channel digital stereo (PCM) or to an Audio/ Video receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2, or DTS)

**1** Connect one of the DVD Player's DIGITAL AUDIO OUT jacks (OPTICAL **O** or COAXIAL **X**) to the corresponding in jack on your amplifier. Use a digital (optical **O** or coaxial **X**) audio cable (not supplied).

**2** You will need to activate the player's digital output. (See "Digital Audio Output" on page 14).

### Digital Multi-channel sound

A digital multi-channel connection provides the best sound quality. For this you need a multi-channel Audio/Video receiver that supports one or more of the audio formats supported by your DVD Player (MPEG 2, Dolby Digital and DTS). Check the receiver manual and the logos on the front of the receiver.

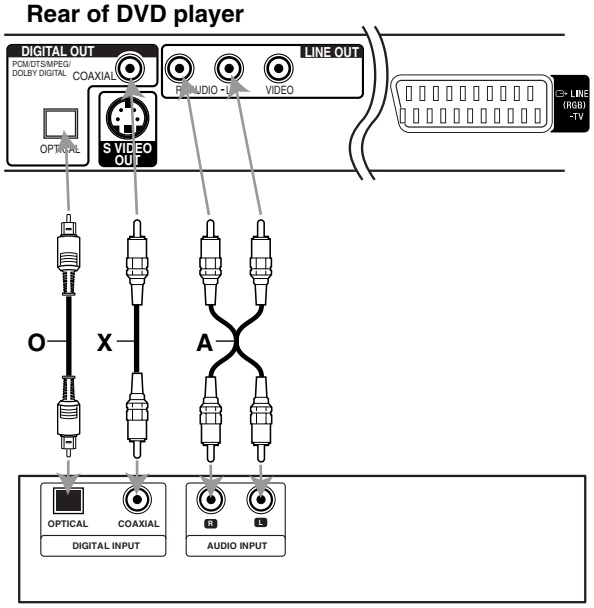
⚠

Due to the DTS Licensing agreement, the digital output will be in DTS digital out when DTS audio stream is selected.

**Notes**

- If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.
- Six Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder.
- To see the audio format of the current DVD in the on-screen display, press ◯)) (AUDIO).

**Rear of DVD player**




**Amplifier (Receiver)**

* Cable O.X.A. (not supplied)

## General Explanation

This manual gives basic instructions for operating the DVD Player. Some DVDs require specific operation or allow only limited operation during playback. When this occurs, the symbol ⃠ appears on the TV screen, indicating that the operation is not permitted by the DVD Player or is not available on the disc.

## On-Screen Display

General playback status can be displayed on the TV screen. Some items can be changed on the menu.

### On-screen display operation

**1** **Press DISPLAY during playback.**

**2** **Press ▲/▼ to select an item.**
The selected item will be highlighted.

**3** **Press ◄/► to change the setting of an item.**
The number buttons can be also be used for setting numbers (e.g., title number). For some functions, press ENTER to execute the setting.

**Temporary Feedback Field Icons**

| | |
|---|---|
| TITLE | Repeat Title |
| CHAPT | Repeat Chapter |
| TRACK | Repeat Track |
| ALL | Repeat All Tracks |
| OFF | Repeat Off |
| RESUME | Resume play from this point |
| ⃠ | Action prohibited or not available |

**Notes**

- Some discs may not provide all of the features on the on-screen display example shown below.
- If no button is pressed for 10 seconds, the on-screen display disappears.
- You cannot use the Repeat function with Video CDs with PBC playback.

**DVD**

| Items | | Function (Press ▲/▼ to select desired item) | Selection Method |
|---|---|---|---|
| Title Number | 1 /3 | **Shows the current title number and total number of titles, and** skips to the desired title number. | ◄ / ►, or Numbers, ENTER |
| Chapter Number | 1 /12 | **Shows the current chapter number and total number of chapters, and** skips to the desired chapter number. | ◄ / ►, or Numbers, ENTER |
| Time search | 0:20:09 | **Shows the elapsed playing time, and** searches the point by the elapsed time directly. | Numbers, ENTER |
| Audio language and Digital Audio Output mode | 1 ENG DD 5.1 CH | **Shows the current audio soundtrack language, encoding method, and channel number, and** changes the setting. | ◄ / ►, or (AUDIO) |
| Subtitle language | OFF | **Shows the current subtitles language, and** changes the setting. | ◄ / ►, or (SUBTITLE) |
| Angle | 1 /1 | **Shows the current angle number and total number of angles, and** changes the angle number. | ◄ / ►, or (ANGLE) |
| Sound | NORM. | **Shows the current sound mode, and** changes the setting. | ◄ / ►, or SUR |

**VCD**

| Items | | Function (Press ▲/▼ to select desired item) | Selection Method |
|---|---|---|---|
| Track Number | 1 /3 | **Shows the current track number, total number of tracks and PBC On mode, and** skip to the desired track number. | ◄ / ►, or Numbers, ENTER |
| Time | 0:20:09 | **Shows the elapsed playing time (Display only)** | – |
| Audio Channel | ST | **Shows the audio channel, and** changes the audio channel. | ◄ / ►, or (AUDIO) |
| Sound | NORM. | **Shows the current sound mode, and** changes the setting. | ◄ / ►, or SUR |

# Initial Settings

You can set your own Personal Preferences on the player.

## Initial Settings General Operation

**1** **Press SET UP.**
The setup menu appears.

**2** **Press ↑/↓ to select the desired item.**
The screen will show the current setting for the selected item, as well as alternate setting(s).

**3** **While the desired item is selected, press →, then ↑/↓ to select the desired setting.**

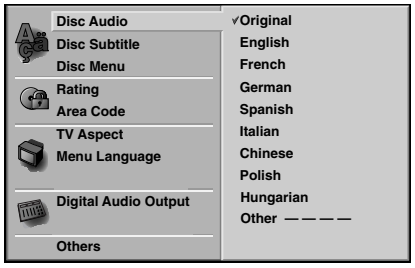
**4** **Press ENTER to confirm your selection.**
Some items require additional steps.

**5** **Press SET UP, ↶ RETURN, or ▷ (PLAY) to exit the setup menu.**

## Language

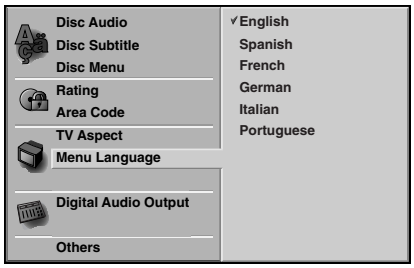
### Disc Language DVD

Select a language for the disc's Menu, Audio, and Subtitle.
**Original** : The original language set for the disc is selected.
**Other** : To select another language, press number buttons to enter the corresponding 4-digit number according to the language code list on page 25. If you enter the wrong language code, press CLEAR.




### Menu Language

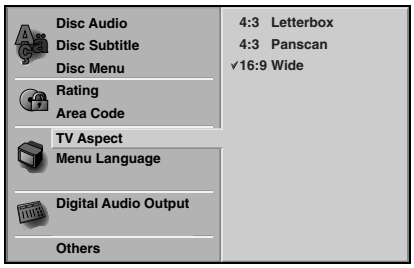
Select a language for the setup menu. This is the menu you see when you press SET UP.




## Picture

### TV Aspect DVD

**4:3 Letterbox:** Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.
**4:3 Panscan:** Select when a conventional TV set is connected. The video material formatted in the Pan & Scan style is played back in that style (Both sides of the picture are cut off).
**16:9 Wide:** Select when a 16:9 wide TV is connected.



## Sound

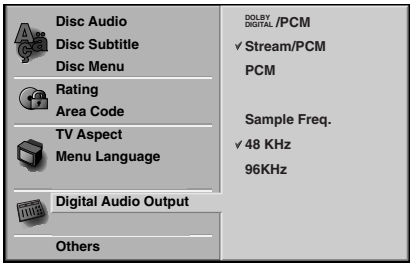
### Digital Audio Output

Each DVD disc has a variety of audio output options. Set the player's Digital Audio Output according to the type of audio system you use.

**DOLBY DIGITAL/PCM:** Select "DOLBY DIGITAL/PCM" if you connected the DVD Player's DIGITAL OUT jack to a Dolby Digital decoder (or an amplifier or other equipment with a Dolby Digital decoder).

**Stream/PCM:** Select "Stream/PCM" if you connected the DVD Player's DIGITAL OUT jack to an amplifier or other equipment with a DTS decoder, Dolby Digital decoder or MPEG decoder.

**PCM:** Select when connected to a 2-channel digital stereo amplifier. The DVD player outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1, or MPEG2 recording system.



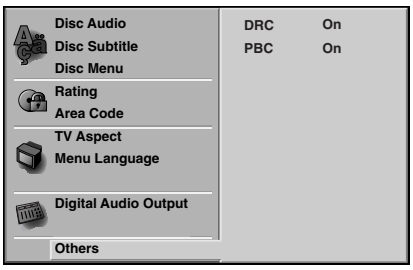

### Sample Frequency

To change the Sample Frequency setting, first select the desired Digital Audio Output as indicated as above. If your receiver or amplifier is NOT capable of handling 96KHz signals, select 48KHz. When this choice is made, this unit will automatically convert any 96KHz signals to 48KHz so your system can decode them. If your receiver or amplifier is capable of handling 96KHz signals, select 96KHz. When this choice is made, this unit will pass each type of signal through without any further processing.

## Others

The DRC and PBC settings can be changed.

- Press ▲/▼ to select the desired item and press ENTER. The setting of the selected item is changed between On and Off.




### Dynamic Range Control (DRC)

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

### PBC

Set Playback Control (PBC) to On or Off.

**On:** Video CDs with PBC are played according to the PBC.

**Off:** Video CDs with PBC are played the same way as Audio CDs.